Fig. 1

OCIF Activity	Dilution				
	1/100	−	+ +	+ +	−
	1/500	−	+ +	+ +	−

Fig. 2

Fig. 3

Fig. 4

Lane

1   2   3

(kD)   Non-reducing

94   ━   ━ 120kD

67   ━   ━ 60kD
43   ━
30   ━
20.1 ━
14.4 ━

Lane

4   5   6

(kD)   Reducing

94   ━
67   ━   ━   ━
43   ━

30   ━
20.1 ━
14.4 ━

Fig.5

Fig. 6

Lane
1 2 3 4 5 6 7

(kD)

94
67
43
30
20.1
14.4

Fig. 7

Lane
8 9 10 11 12 13 14

(kD)

94
67
43
30
20.1
14.4

Fig.8

Lane
15 16 17 18 19 20 21

(kD)

94
67
43
30
20.1
14.4
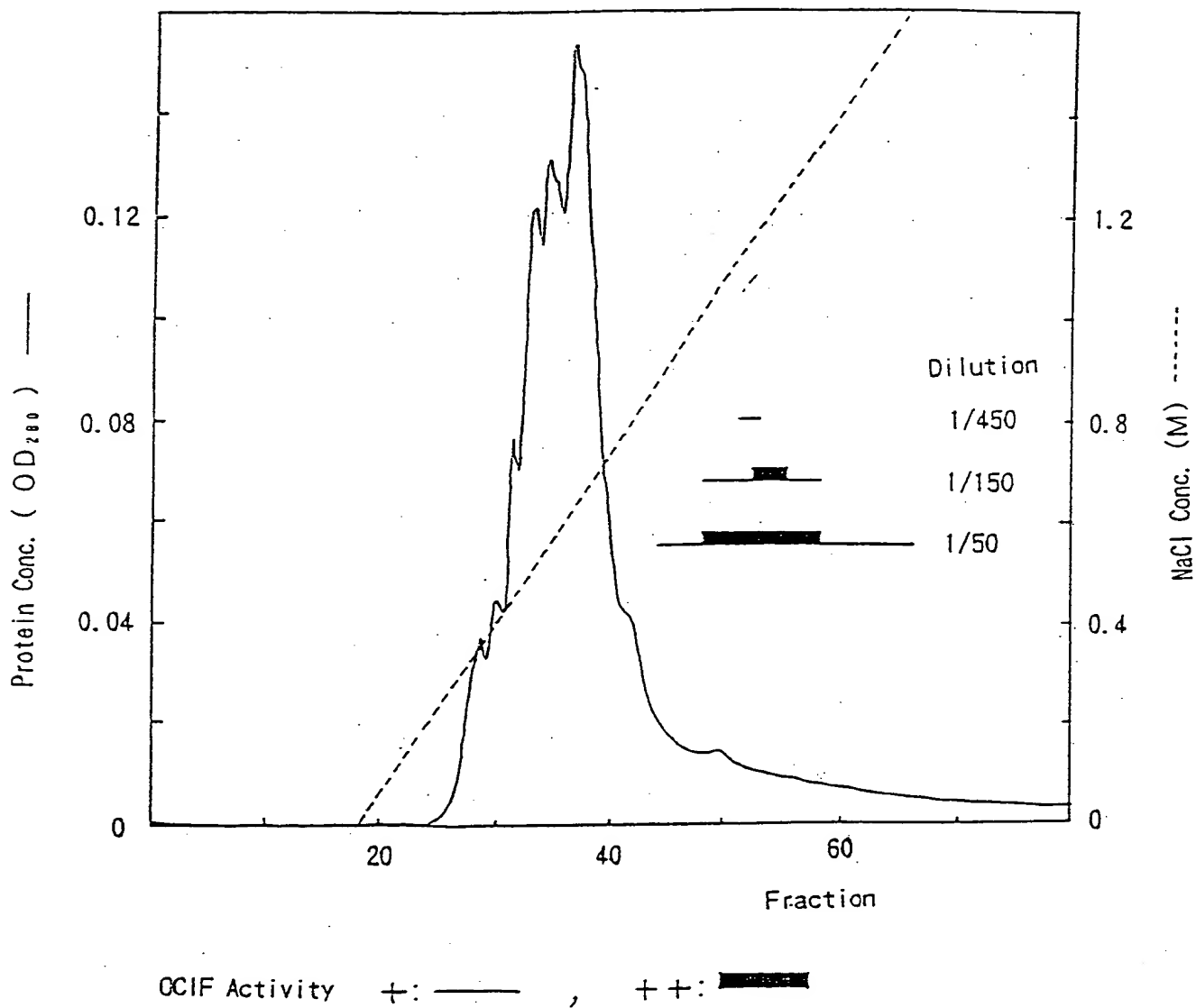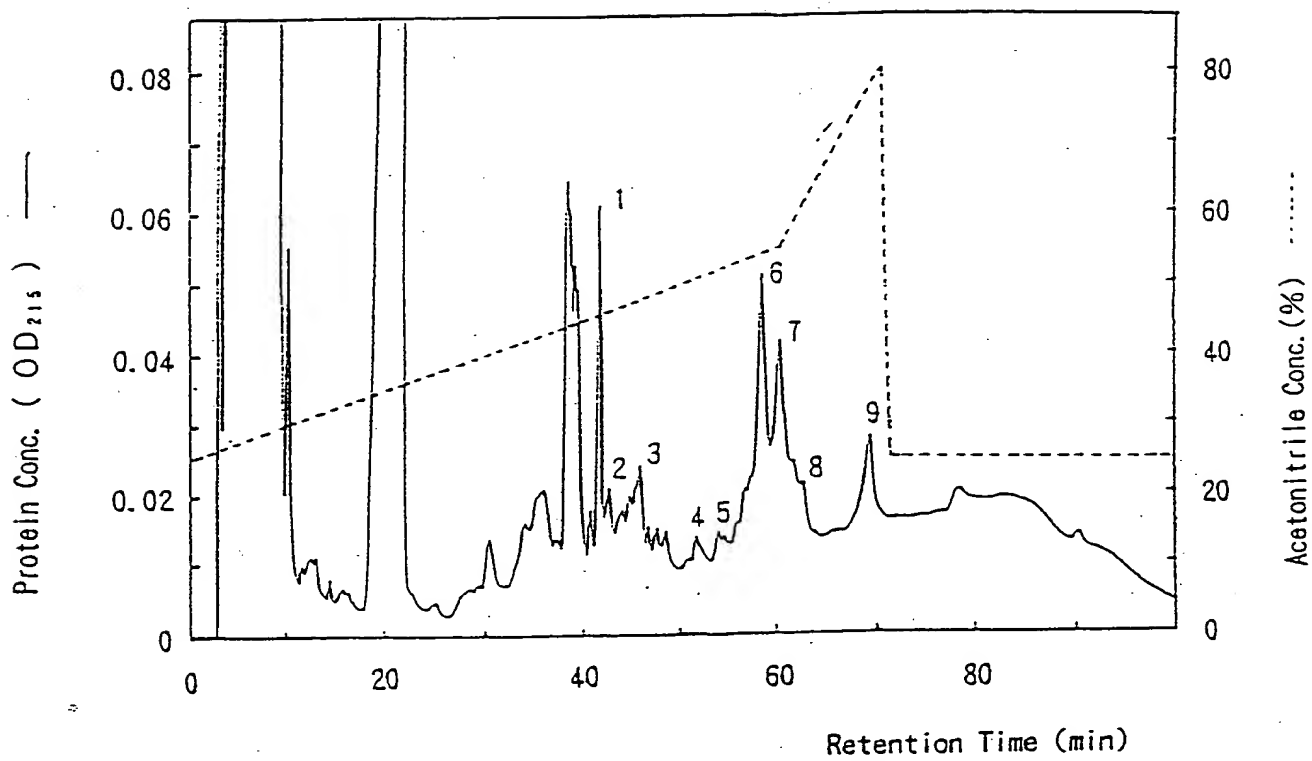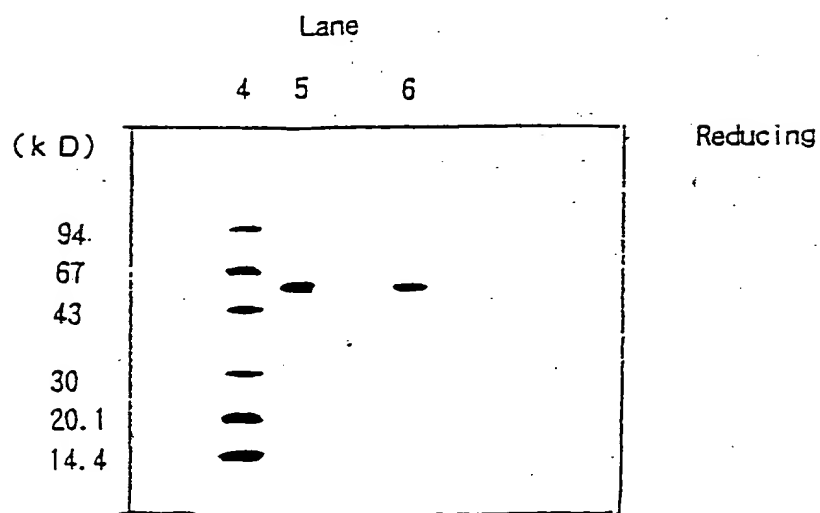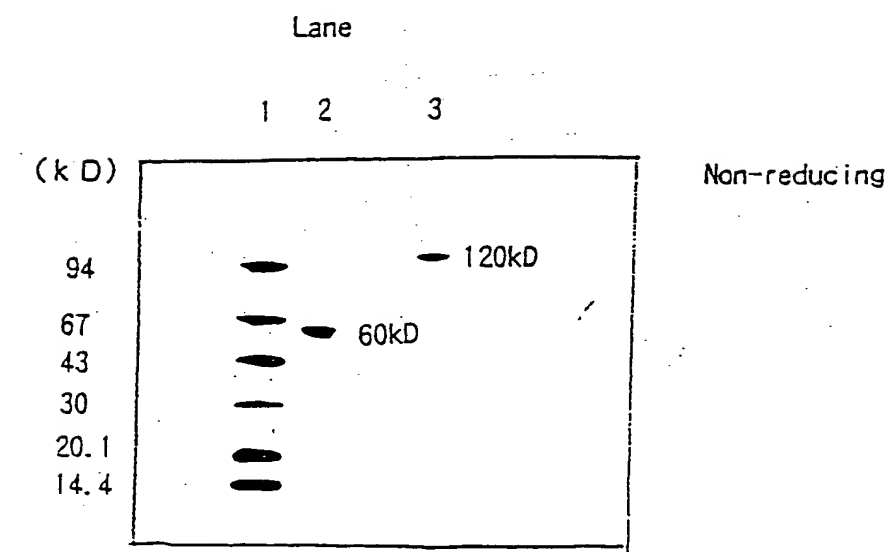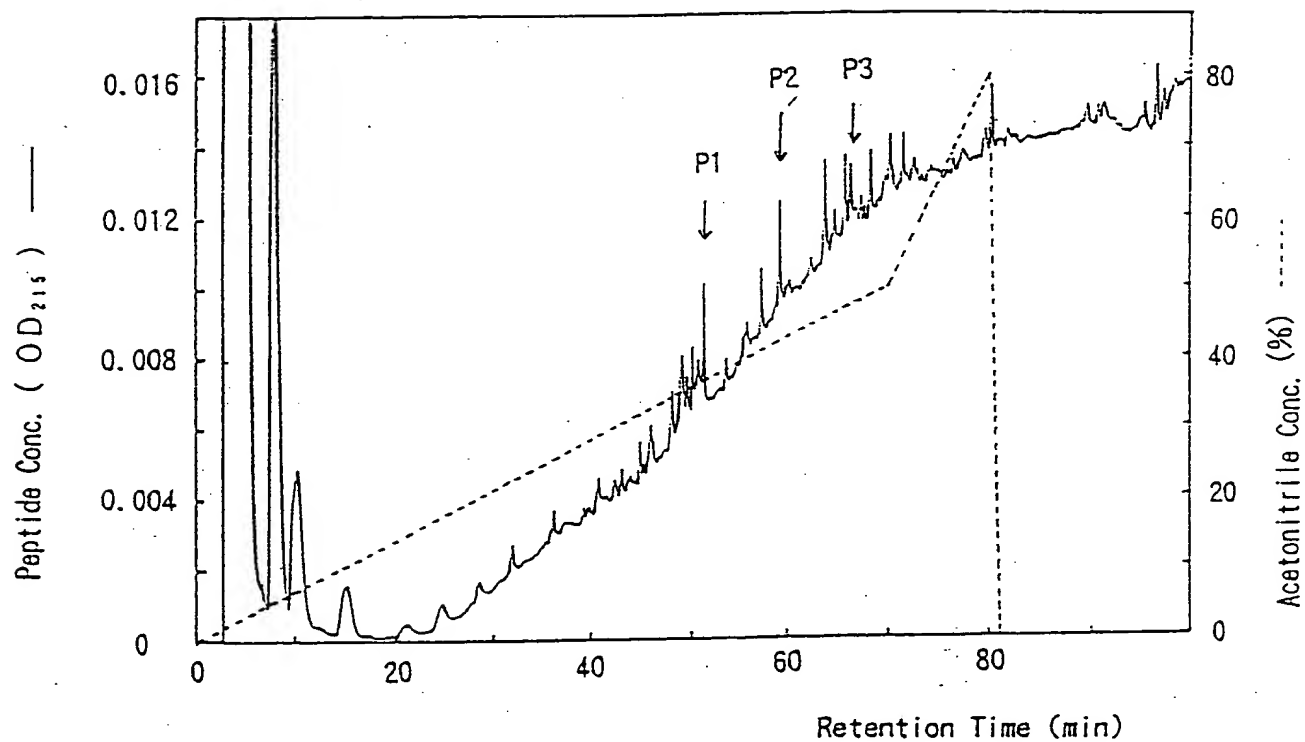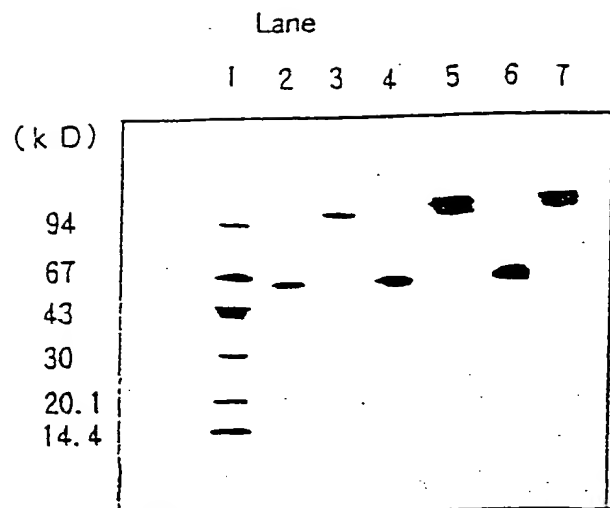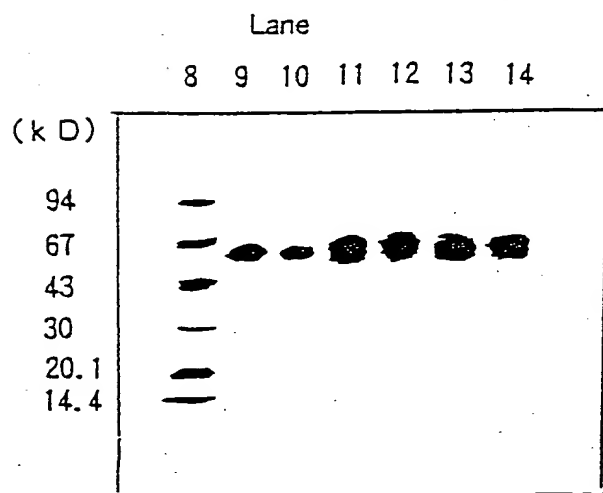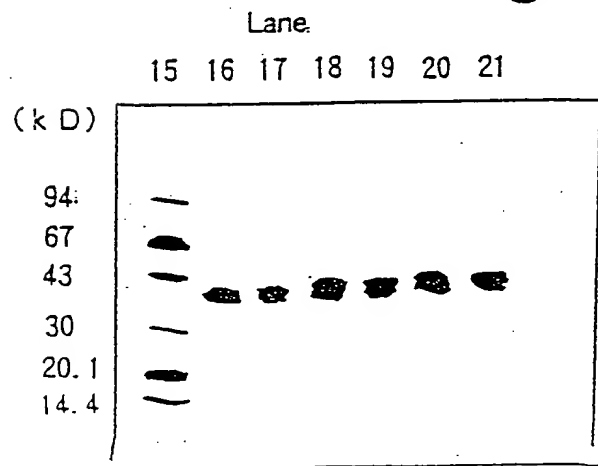
Fig. 9

```
1
MNNLLCCALVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT  (OCIF1)
************************************************************
MNNLLCCALVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT  (OCIF2)
1


61
VCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK  (OCIF1)
***************************        ************************
VCAPCPDHYYTDSWHTSDECLYCSPVCKE------CNRTHNRVCECKEGRYLEIEFCLK  (OCIF2)
61


121
HRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNETSSKAPCRKHTNCSVFGLLLTQKGNAT  (OCIF1)
************************************************************
HRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNETSSKAPCRKHTNCSVFGLLLTQKGNAT  (OCIF2)
114


181
HDNICSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPNWLSVLVDNLPGTKVNAESVERI  (OCIF1)
************************************************************
HDNICSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPNWLSVLVDNLPGTKVNAESVERI  (OCIF2)
174


241
KRQHSSQEQTFQLLKLWKHQNKDQDIVKKIIQDIDLCENSVQRHIGHANLTFEQLRSLME  (OCIF1)
************************************************************
KRQHSSQEQTFQLLKLWKHQNKDQDIVKKIIQDIDLCENSVQRHIGHANLTFEQLRSLME  (OCIF2)
234


301
SLPGKKVGAEDIEKTIKACKPSDQILKLLSLWRIKNGDQDTLKGLMHALKHSKTYHFPKT  (OCIF1)
************************************************************
SLPGKKVGAEDIEKTIKACKPSDQILKLLSLWRIKNGDQDTLKGLMHALKHSKTYHFPKT  (OCIF2)
294


361
VTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCL  (OCIF1)
*****************************************
VTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCL  (OCIF2)
354
```

Fig. 10

```
1
MNNLLCCALVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF1)
** ********************************************************
MNKLLCCALVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF3)
1


61
VCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF1)
***********************************************************
VCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF3)
61


121                                                    /
HRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNETSSKAPCRKHTNCSVFGLLLTQKGNAT (OCIF1)
***********************************************************
HRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNETSSKAPCRKHTNCSVFGLLLTQKGNAT (OCIF3)
121


181
HDNICSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPNWLSVLVDNLPGTKVNAESVERI (OCIF1)
***********************************************************
HDNICSGNSESTQKCGIDVTLCEEAFFRFAVPTKFTPNWLSVLVDNLPGTKVNAESVERI (OCIF3)
181


241
KRQHSSQEQTFQLLKLWKHQNKDQDIVKKIIQDIDLCENSVQRHIGHANLTFEQLRSLME (OCIF1)
**************************************************
KRQHSSQEQTFQLLKLWKHQNKDQDIVKKIIQDIDLCENSVQRHIGHANLS--------- (OCIF3)
241


301
SLPGKKVGAEDIEKTIKACKPSDQILKLLSLWRIKNGDQDTLKGLMHALKHSKTYHFPKT (OCIF1)
                            ****************************
-------------------------------LWRIKNGDQDTLKGLMHALKHSKTYHFPKT (OCIF3)
                            292


361
VTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCL (OCIF1)
*****************************************
VTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCL (OCIF3)
322
```

Fig. 11

```
1
MNNLLCCALVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF1)
** **** ********************************************************
MNKLLCCSLVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF4)
1


61
VCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF1)
***********************************************************
VCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF4)
61


121
HRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNETSSKAPCRKHTNCSVFGLLLTQKGNAT (OCIF1)
**************
HRSCPPGFGVVQAGTCQCAAKLIRIMQSQIVVTV                           (OCIF4)
121
```

Fig. 12

```
1
MNNLLCCALVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF1)
** *******************************************************
MNKLLCCALVFLDISIKWTTQETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKT (OCIF5)
1


61
VCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF1)
***********************************************************
VCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLK (OCIF5)
61


121
HRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNETSSKAPCRKHTNCSVFGLLLTQKGNAT (OCIF1)
*************  *
HRSCPPGFGVVQAGCRRRPKPQICI                                    (OCIF5)
121
```

Fig. 13

OD (450nm)

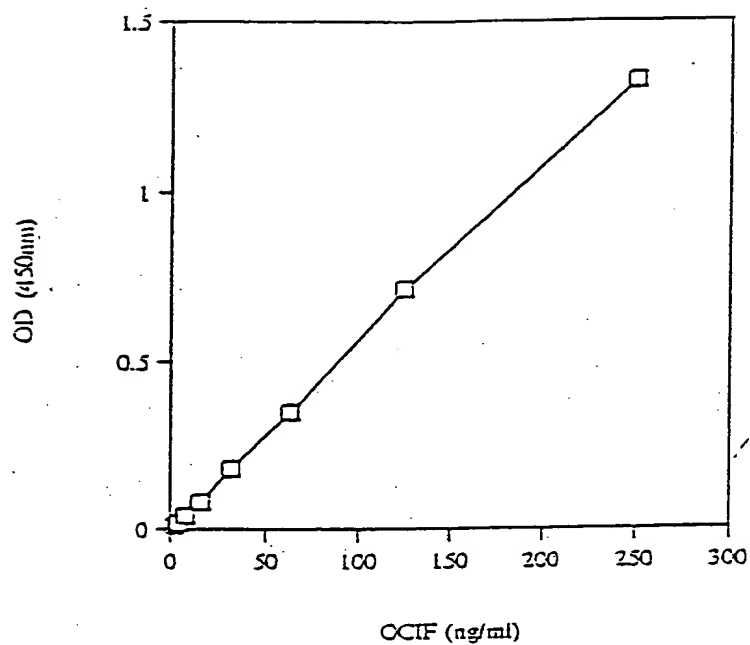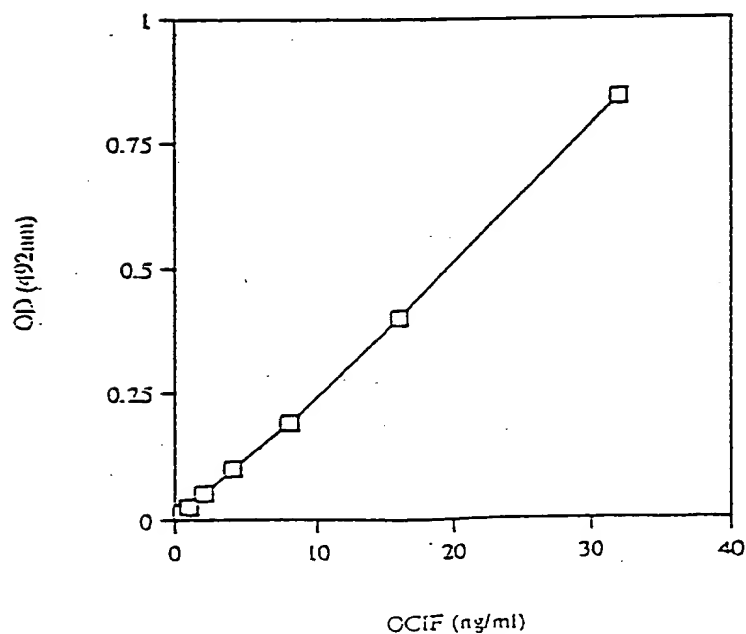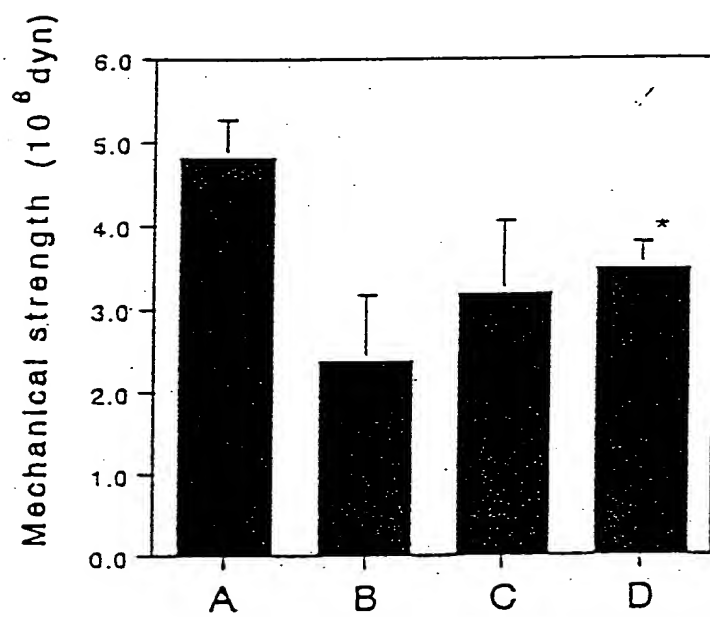OCIF (ng/ml)

Fig. 14

OD (492nm)

OCIF (ng/ml)

Fig. 15

A : Normal rat
B : Denerved rat+Vehicle
C : Denerved rat+OCIF　10μg/kg/day
C : Denerved rat+OCIF 100μg/kg/day